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A TREATISE ON ALGEBRA.*

This work, as the writers state in their preface, is meant for students who have already an elementary knowledge of algebra and geometry, and as a book of reference for teachers. Among its many merits may be mentioned the completeness of its contents and the exhaustiveness with which each subject is treated. Besides the matter usually treated of in works on algebra, it contains some things not so common, such as infinitesimals and integration, and brings in at the very beginning the idea of function. It also treats of logarithms, continued fractions, etc. in a more extended and helpful manner than usual. The use of checks wherever available and of methods of shortening work, as in detached coefficients, are worthy of note.

The defects of the work as compared with its merits are small. Among them may be mentioned the absence of an index, and the not always clear statement of a proposition or definition. However, the examples accompanying the definitions are very helpful. The work will be of value as a book of reference, but as a text-book it is doubtful whether it can be successfully used, unless preceded by a complete course of elementary collegiate mathematics. F. P. L.

**A Treatise on Algebra.* By Profs. Oliver, Wait, and Jones, of Cornell University. Ithaca, N. Y.: Dudley F. Finch.

SOLUTIONS OF EXERCISES.

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W. W. Beman, 137; G. W. Coakley, 137, 140; H. W. Draughan, 111; W. H. Echols, 144; A. B. Evans, 137; E. Frisby, 137, 140; R. H. Graves, 144; Wm. Hoover, 137, 140, 141; J. N. James, 132, 137; A. C. Lane, 137; F. H. Loud, 143; Artemas Martin, 137; Frank Muller, 39, 144; Chas. Rasinsky, 140; A. D. Risteen, 137; Jas. B. Shaw, Jr., 137, 141; W. O. Whitescarver, 137, 140.